

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033859.D
 Acq On : 30 May 2019 6:52
 Operator : SY/AP
 Sample : K3067-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Manual Integrations
 APPROVED

apatel
 5/31/2019 12:49:59 PM

Quant Time: May 30 08:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	714589	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1627180	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1647324	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1353034	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	121077	10.760	ppbv	99
15) Acetone	3.90	43	77162	0.778	ppbv	98
19) Isopropyl Alcohol	4.03	45	48468m	0.758	ppbv	
26) Hexane	5.78	57	9960m	0.133	ppbv	
29) Chloroform	5.83	83	16867	0.122	ppbv	94
32) 1,1,1-Trichloroethane	6.61	97	7599m	0.055	ppbv	
34) 2-Butanone	5.33	43	14782m	0.147	ppbv	
52) Tetrachloroethene	11.37	164	91195m	1.753	ppbv	
53) Toluene	9.94	91	25490m	0.160	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

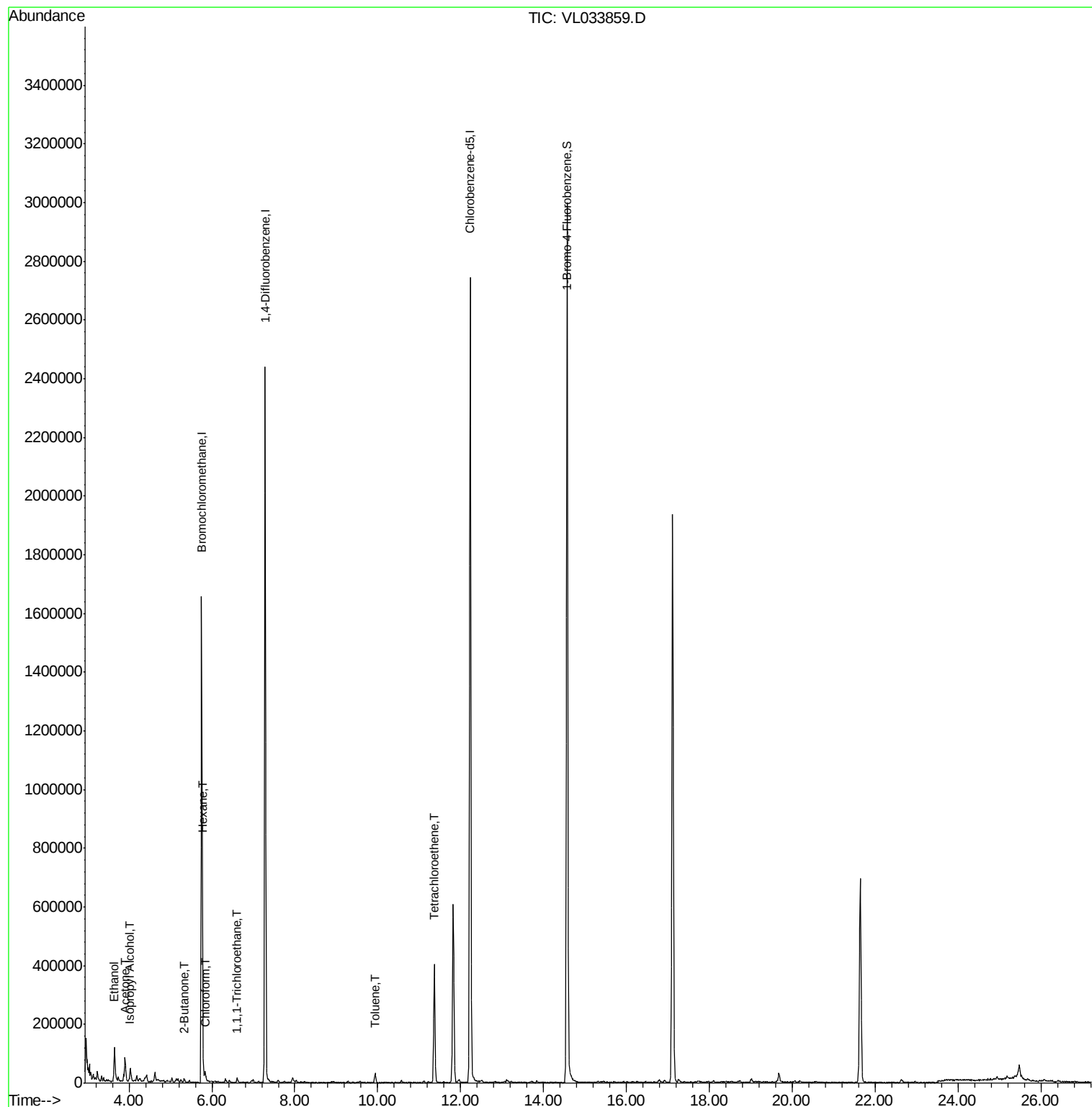
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033859.D
Acq On : 30 May 2019 6:52
Operator : SY/AP
Sample : K3067-08DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

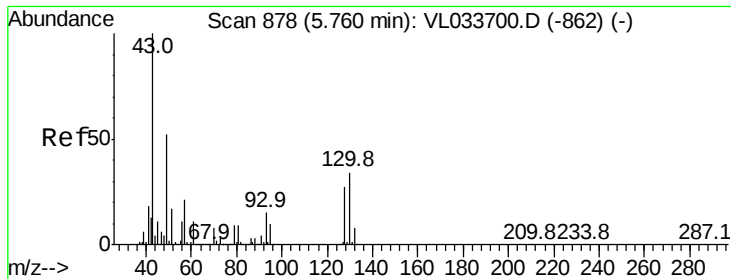
Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Manual Integrations
APPROVED

apatel
5/31/2019 12:49:59 PM

Quant Time: May 30 08:13:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

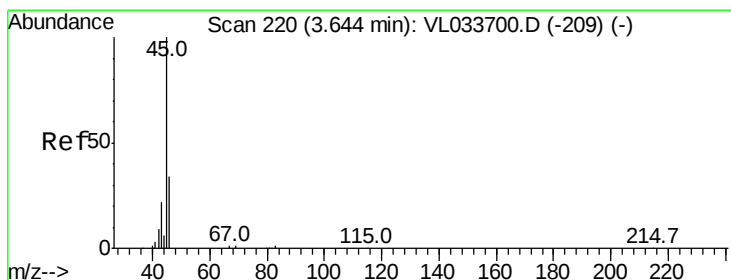
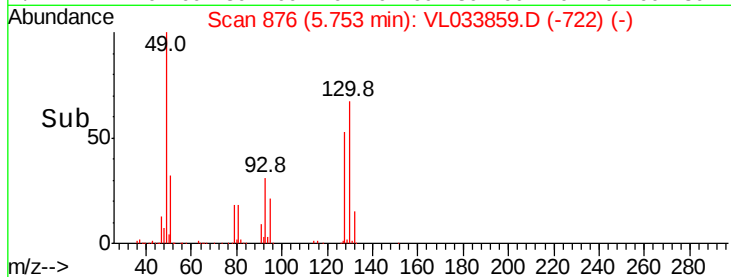
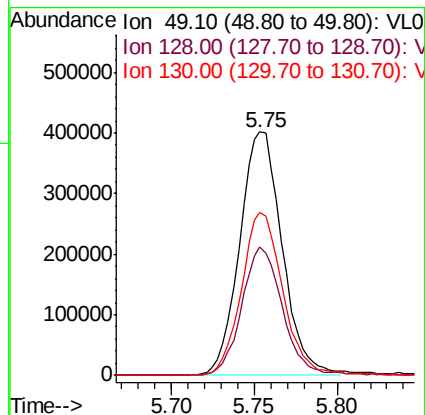
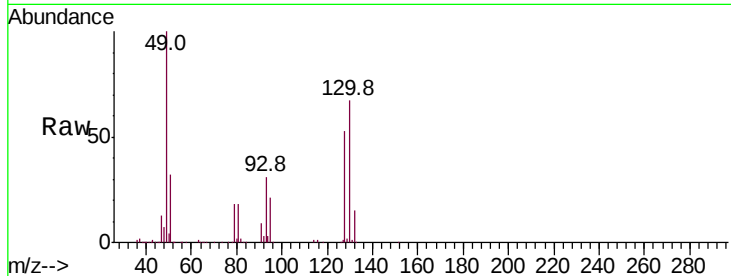
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033859.D
 Acq: 30 May 2019 6:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.9	25.2	75.6
130	65.9	32.5	97.5

Manual Integrations
 APPROVED

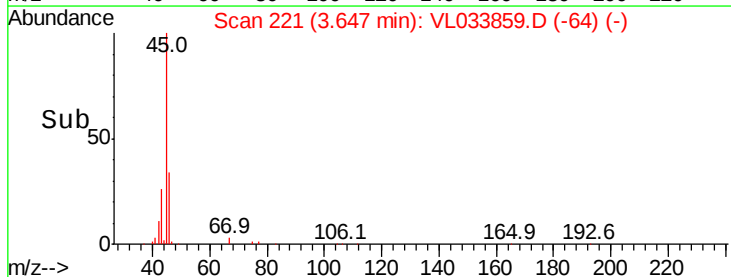
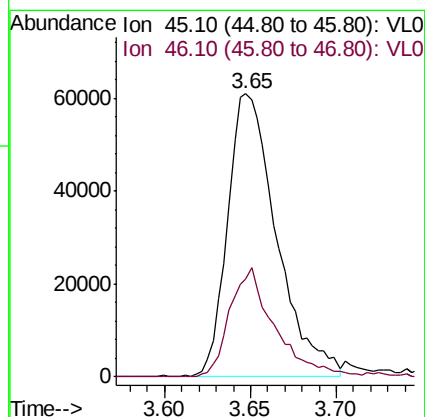
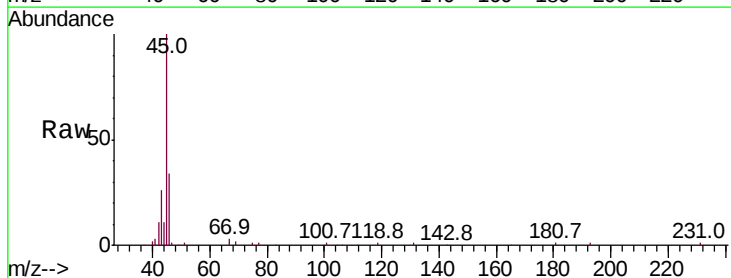
apatel
 5/31/2019 12:49:59 PM

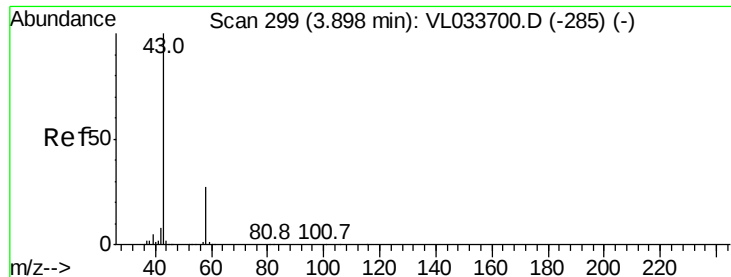


#13

Ethanol
 Concen: 10.760 ppbv
 RT: 3.65 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VL033859.D
 Acq: 30 May 2019 6:52

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.8	59.0





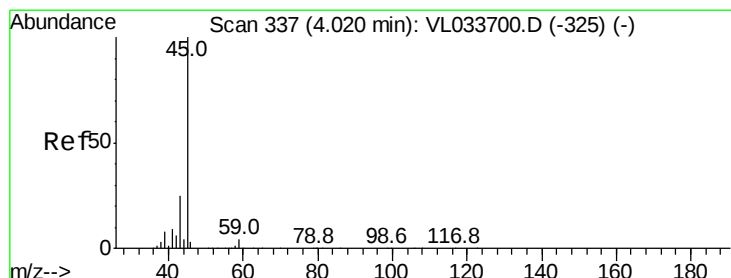
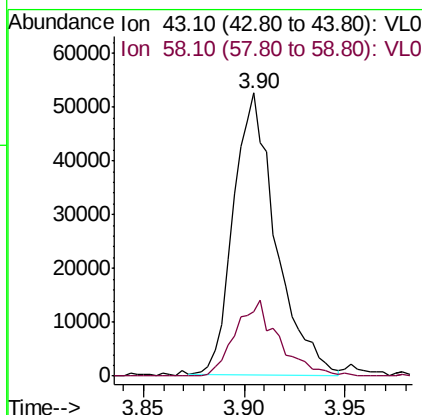
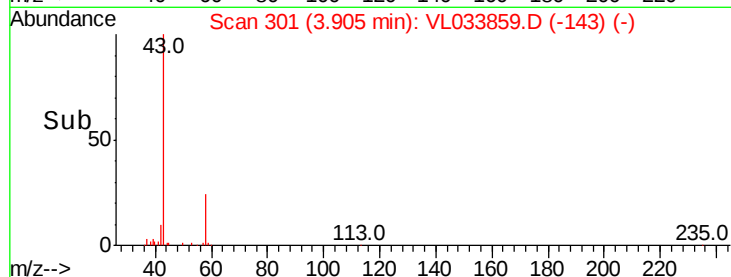
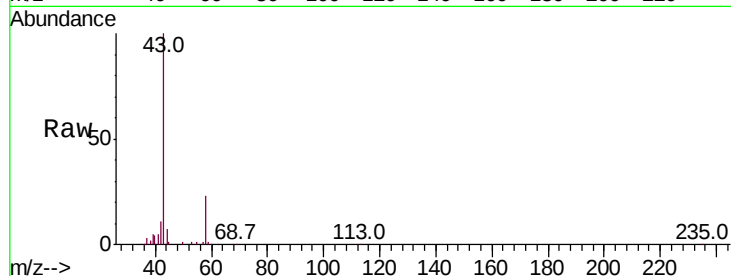
#15
Acetone
Concen: 0.778 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033859.D
Acq: 30 May 2019 6:52

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Tot Ion: 43 Resp: 77162
Ion Ratio Lower Upper
43 100
58 27.6 21.3 31.9

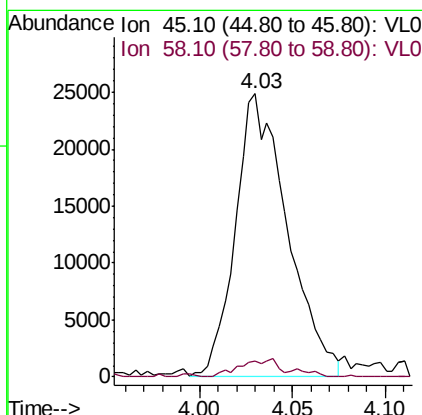
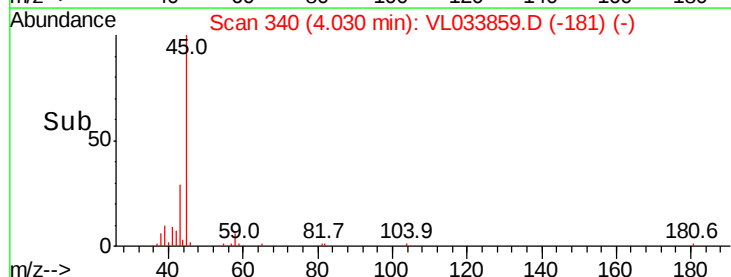
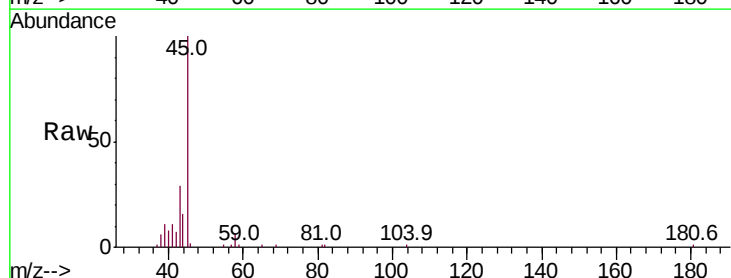
Manual Integrations
APPROVED

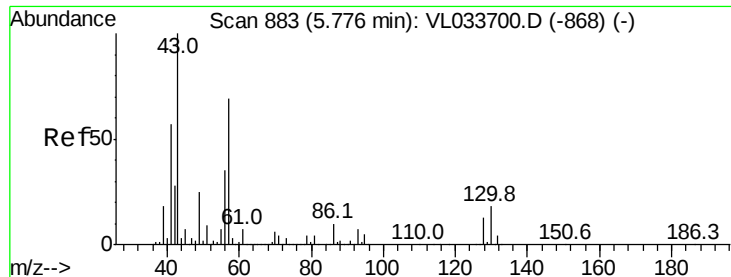
apatel
5/31/2019 12:49:59 PM



#19
Isopropyl Alcohol
Concen: 0.758 ppbv m
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033859.D
Acq: 30 May 2019 6:52

Tgt Ion: 45 Resp: 48468
Ion Ratio Lower Upper
45 100
58 6.0 1.6 2.4#





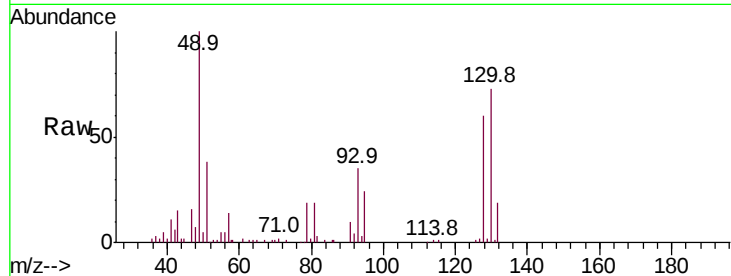
#26
Hexane
Concen: 0.133 ppbv m
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033859.D
Acq: 30 May 2019 6:52

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

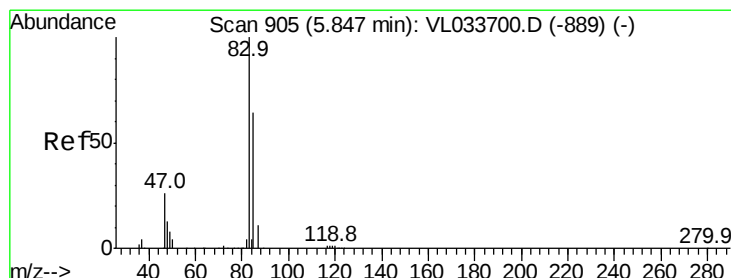
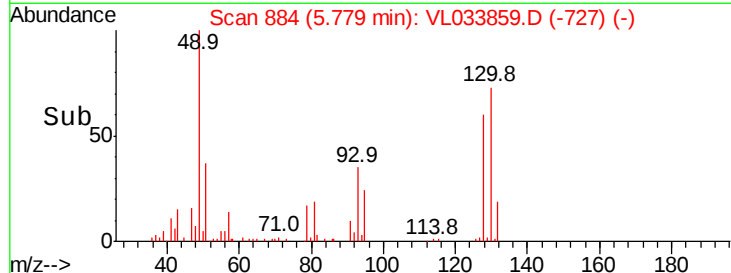
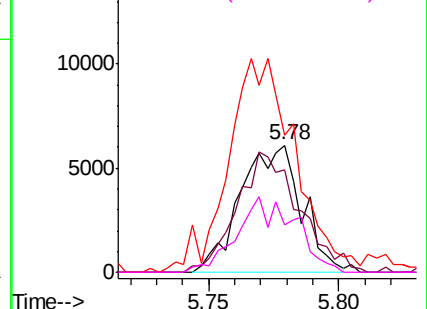
Tot Ion: 57 Resp: 9960
Ion Ratio Lower Upper
57 100
41 96.7 69.8 104.6
43 191.6 181.8 272.6
56 55.9 42.1 63.1

Manual Integrations
APPROVED

apatel
5/31/2019 12:49:59 PM

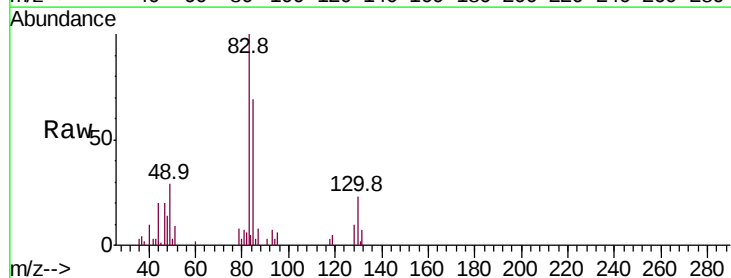


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

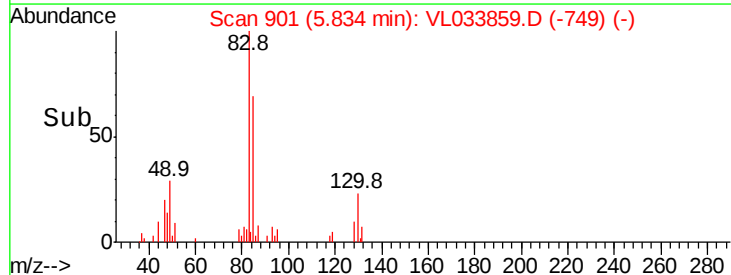
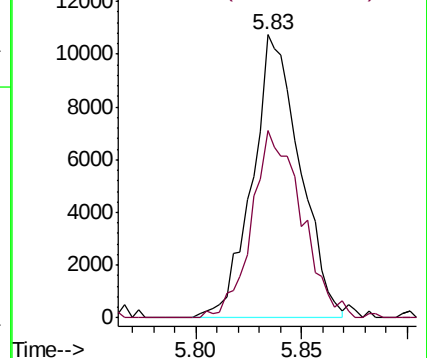


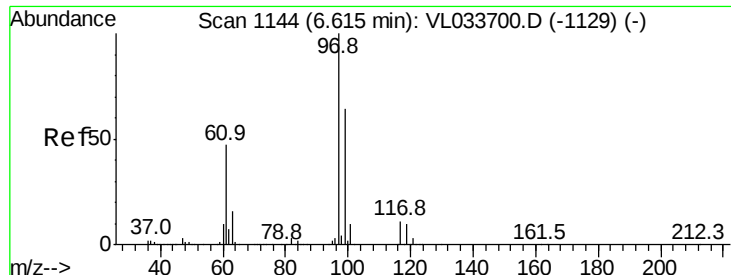
#29
Chloroform
Concen: 0.122 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL033859.D
Acq: 30 May 2019 6:52

Tgt Ion: 83 Resp: 16867
Ion Ratio Lower Upper
83 100
85 69.1 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





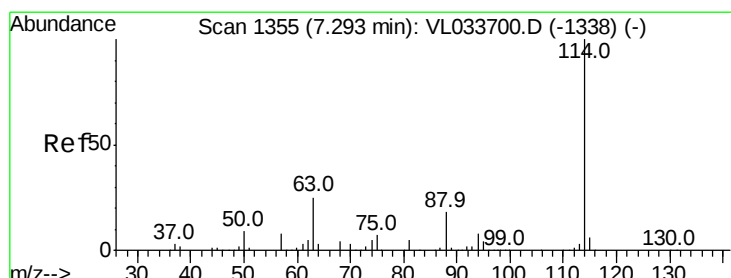
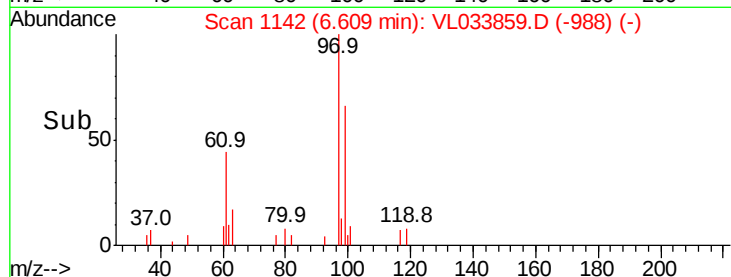
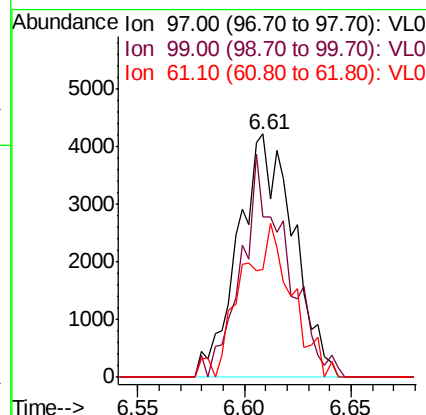
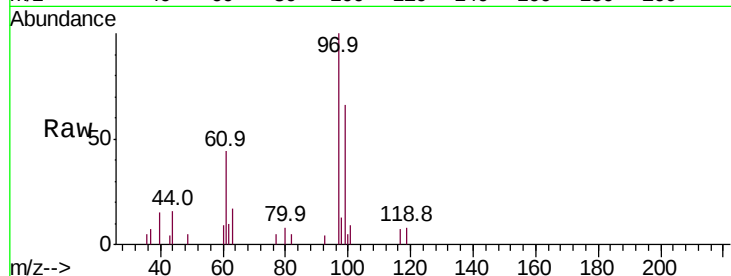
#32
 1,1,1-Trichloroethane
 Concen: 0.055 ppbv m
 RT: 6.61 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VL033859.D
 Acq: 30 May 2019 6:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	37.8	56.8#

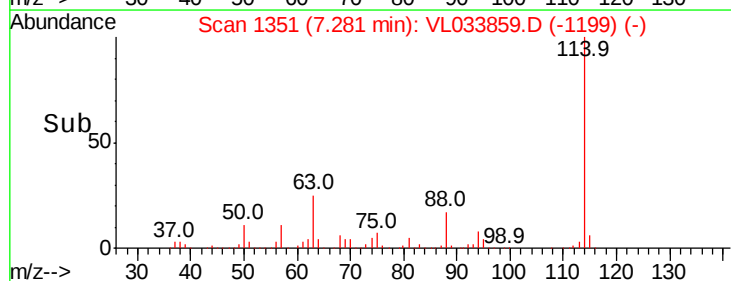
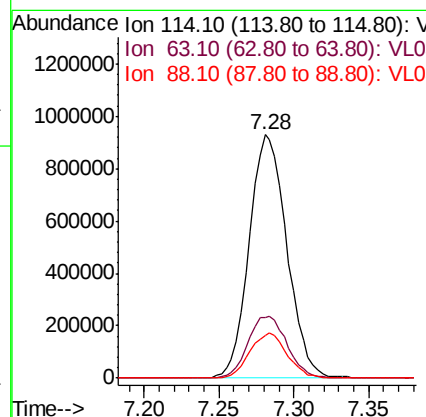
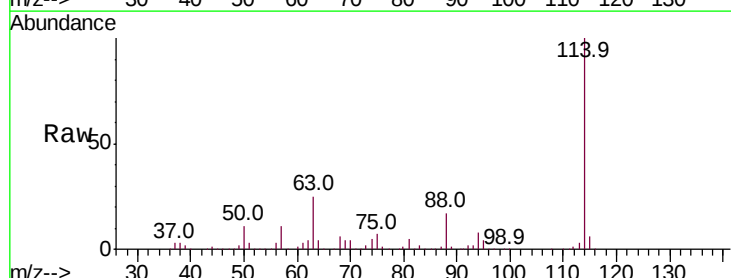
Manual Integrations
 APPROVED

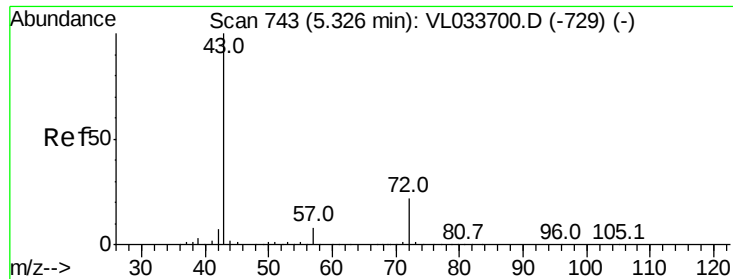
apatel
 5/31/2019 12:49:59 PM



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033859.D
 Acq: 30 May 2019 6:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	18.2	14.3	21.5





#34

2-Butanone

Concen: 0.147 ppbv m

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033859.D

Acq: 30 May 2019 6:52

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-ODL

Tot Ion: 43 Resp: 14782

Ion Ratio Lower Upper

43 100

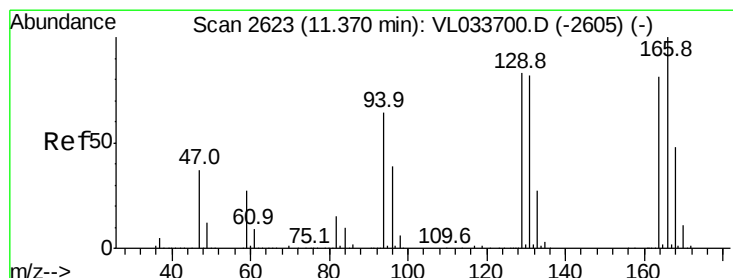
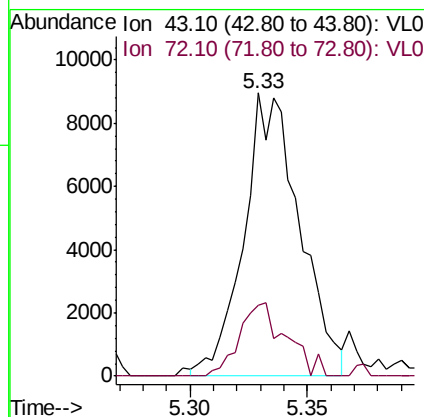
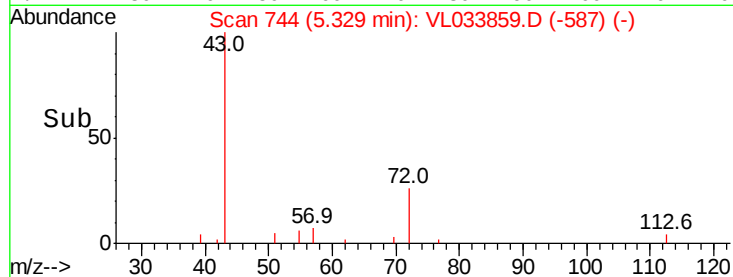
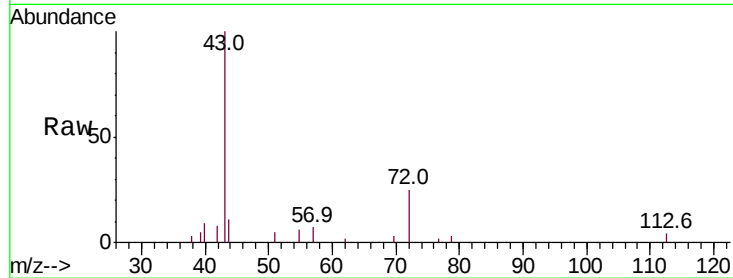
72 0.0 17.8 26.6#

Manual Integrations

APPROVED

apatel

5/31/2019 12:49:59 PM



#52

Tetrachloroethene

Concen: 1.753 ppbv m

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033859.D

Acq: 30 May 2019 6:52

Tgt Ion: 164 Resp: 91195

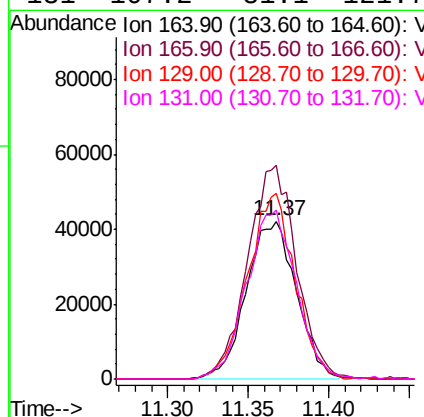
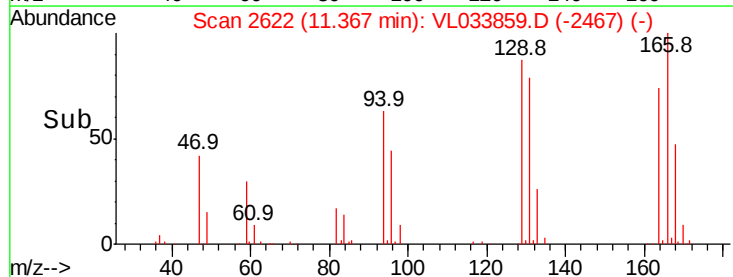
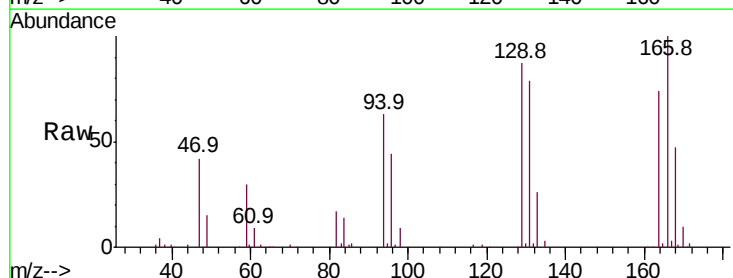
Ion Ratio Lower Upper

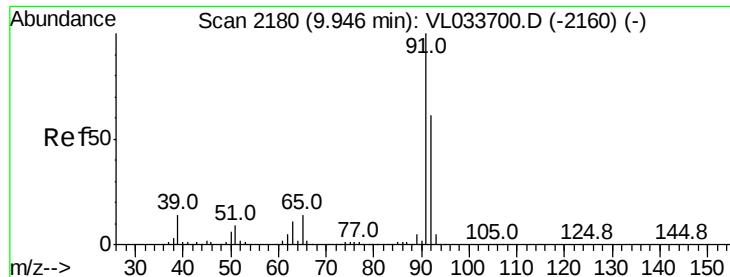
164 100

166 135.3 98.9 148.3

129 117.6 81.8 122.6

131 107.2 81.1 121.7





#53

Toluene

Concen: 0.160 ppbv m

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033859.D

Acq: 30 May 2019 6:52

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-ODL

Tot Ion: 91 Resp: 25490

Ion Ratio Lower Upper

91 100

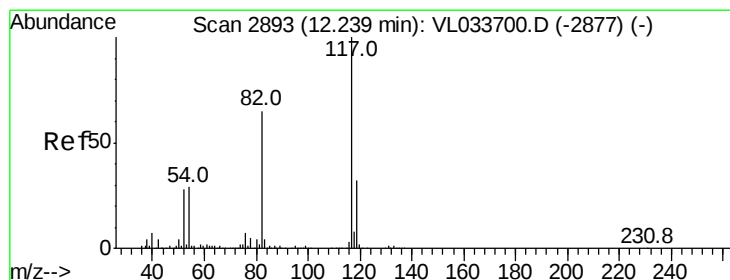
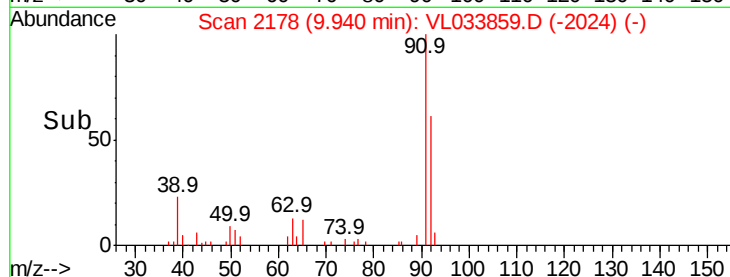
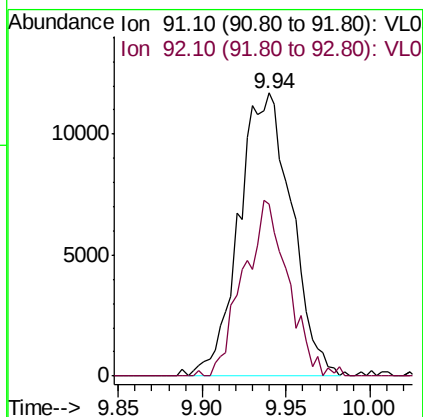
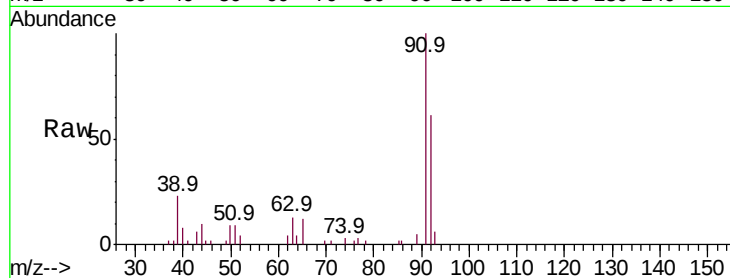
92 0.0 47.6 71.4#

Manual Integrations

APPROVED

apatel

5/31/2019 12:49:59 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033859.D

Acq: 30 May 2019 6:52

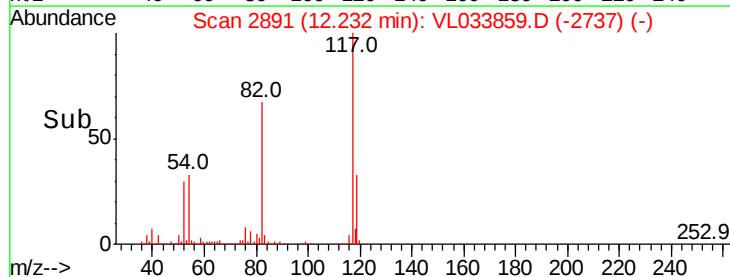
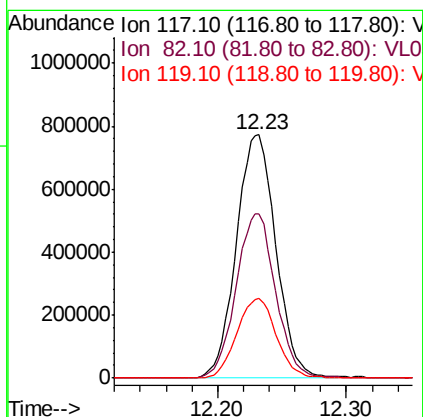
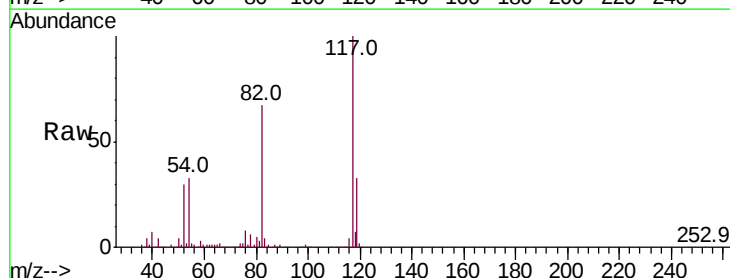
Tgt Ion: 117 Resp: 1647324

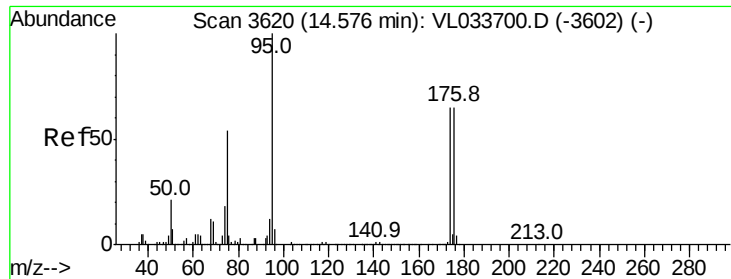
Ion Ratio Lower Upper

117 100

82 67.8 49.4 74.0

119 32.8 24.9 37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.132 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033859.D
 Acq: 30 May 2019 6:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.9	80.9
175	4.8	3.8	5.8

Manual Integrations
 APPROVED

apatel
 5/31/2019 12:49:59 PM

